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and to, respectively, at least one identification module. Sections of data of the identification module used in the base station are identical to sections of data stored on a chip card of an access-authorized mobile terminal. The read data from the identification module is processed through software implemented in the base station. The mobile terminal is authenticated with regard to the base station through the processed data, wherein the base station fulfills the same functions and tasks as a home location register and, respectively, an authentication center of the mobile communication system. The mobile terminal is operated through the public fixed network if the authentication has been successful.

IN THE CLAIMS:

[Please cancel Claims 1 - 11 without prejudice.]

[Please add new Claims 12 - 22 as follows:]

12. A method of operating a cordless communication system comprising a mobile terminal of a public mobile communication system and having a base station which is connectable to a public fixed network and compatible at an air interface with the mobile communication system that has at least one authentication function, comprising:

reading and writing from and to, respectively, at least one identification module through a read and write unit of the base station, wherein sections of data of the identification module used in the base station are identical to sections of data stored on a chip card of an access-authorized mobile terminal;

processing data read from the identification module through software implemented in the base station;

authenticating the mobile terminal with regard to the base station through the processed data, wherein the base station fulfills the same functions and tasks as a home